



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

PC 501200

OPP OFFICIAL RECORD  
HEALTH EFFECTS DIVISION  
SCIENTIFIC DATA REVIEWS  
EPA SERIES 361

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: "Study of the prenatal, perinatal, and postnatal toxicity of 2-Iodobenzoic acid anilide in rats".

FROM: Laurence D. Chitlik, D.A.B.T.  
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Toxicology Branch/HED (TS-769C)

TO: Quang Q. Bui  
Acting Head Review Section V  
Toxicology Branch/HED (TS-769C)

*LDC*  
2/5/87

*W. Bui*  
2/5/87

At your request, I have read your review of a developmental toxicity study in Sprague Dawley rats:

"Study of the prenatal, perinatal, and postnatal toxicity of 2-Iodobenzoic acid anilide in rats"

Testing Facility: BASF, Germany  
Report date: 12/15/76  
Authors: Hofmann, H. T. and Peh. J.

Generally, I concur with the approach taken in your review. The following additional points are noted:

1. Benefit™ is a 50% wettable powder formulation of Benodanil. Benodanil is referred to variously as 2-Iodobenzanilide, 2-Iodobenzoic acid anilide, and 2-Iodo-N-phenylbenzamide. Your review indicates the test material is Technical yet it is also referred to as Benefit which as noted is a 50% formulation. This requires correction/clarification in your review.
2. The recommendations section of the memo should indicate that the preferred route of exposure in a repeat study should be gavage unless adequate rationale is provided by the registrant.
3. The registrant should be informed, <sup>that</sup> in the repeat study, dosing must begin after implantation has been completed. Since the high dose utilized must induce maternal toxicity, dosing prior to implantation could jeopardize the utility of the repeat study.

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4. Your review does not specify unique methodology for skeletal examination of pups in this study. It should reflect all examination procedures clearly. Were X-ray data provided?

5. Some of the data provided are remarkably similar across test groups. The reviewer may wish to consider requesting raw data which supports the submitted study report findings.

I hope you find the above comments useful in the assessment of this study.

cc. T. Farber



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